

IN THE CLAIMS

Please amend the status of the claims as indicated below:

Claims 1-13 (canceled)

14. (new) A packaging apparatus, comprising:

a central control unit;

a plurality of sensors;

a plurality of actuators;

a drive system;

means for recording in digital format actual values of said plurality of sensors;

actual values of said plurality of actuators and actual values of said drive system;

means for determining setpoint values or control commands for said drive system;

means for transmission in digital format of said setpoint values of control

commands for said drive system between said drive system and said central control unit

via a transmission protocol from said central control unit via said means for data trans-

mission to said plurality of actuators or said drive system;

means for data transmission between said plurality of sensors, said plurality of actuators, said drive system and said central control unit of said actual values of said plurality of sensors, said actual values of said plurality of actuators and said actual values of said drive system recorded by said means for recording in digital format, said means for data transmission including wireless transmission means and a transmission protocol for said wireless transmission means operating cyclically with short cycle times and per-

forming a synchronization of said plurality of sensors, said plurality of actuators and said drive system with time-dependent action and further providing said actual values and said setpoint values or control commands for said drive system in each cycle and accuracy of said synchronization in a microsecond range;

means for evaluating data received by said central control unit from said plurality of sensors, said plurality of actuators and said drive system; and,

means for eliminating errors in said means for data transmission and said means for transmission in said digital format.

14. (new) The packaging apparatus according to Claim 13, wherein said drive system includes a servo motor.

15. (new) The packaging apparatus according to Claim 13, wherein said short cycle times are in a millisecond pulse.

16. (new) The packaging apparatus according to Claim 13, wherein said means for eliminating errors in said means for data transmission and said means for transmission in said digital format includes an HDLC procedure.

17. (new) The packaging apparatus according to Claim 13, wherein said drive system is controlled by specifying position or velocity data at associated points in time.

18. (new) The packaging apparatus according to Claim 13, wherein said wireless transmission means is effected via radio transmission.

19. (new) The packaging apparatus according to Claim 18, wherein said radio transmission is carried out via broadband radio.

20. (new) The packaging apparatus according to Claim 18, wherein said radio transmission is carried out via infrared communication.

21. (new) The packaging apparatus according to Claim 13, wherein said means for data transmission takes place bidirectionally.

22. (new) The packaging apparatus according to Claim 13, wherein said means for data transmission takes place unidirectionally.

23. (new) The packaging apparatus according to Claim 13, further comprising a programming unit connected to said central control unit.

24. (new) The packaging apparatus according to Claim 13, wherein data of slow running processes are only recorded in individual time-spaced cycle pulses, so that only the data of fast running processes are contained in cycle pulses contained in between.

25. (new) The packaging apparatus according to Claim 24, further comprising a time window assigned to each cycle pulse of said cycle pulses wherein, despite data transmission, comprises a residual time, which is able to be used for transmitting optional information.

26. (new) The packaging apparatus according to Claim 13, wherein said means for eliminating errors in said means for data transmission and said means for transmission

in said digital format includes means for effecting a shutdown of said packaging apparatus in the event of a fault, said means for effecting a shutdown including means for effecting a synchronous braking and, upon start-up of said packaging apparatus, effecting a synchronous acceleration of said drive system.

27. (new) The packaging apparatus according to Claim 26, wherein said means for effecting a shutdown of said packaging apparatus in the event of a fault includes a modem for remote diagnosis of the fault.